

### REMARKS

Claims 1-2, 5-8, 11-14, 17-20, 23-26, 28, 30-31, 33, 35-36, 38, 40-41, and 43 are rejected under 35 USC §103 as being unpatentable over Eggleton et al., U.S. 6,201,916. In addition, claims 3, 4, 9-10, 15-16, 21-22, 27, 29, 32, 34, 37, 39, 42, and 44 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten into independent form.

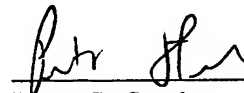
In response thereto, Applicants have now amended independent claims 1, 7, 13, and 19 to include the allowable limitations of claims 27 and 29, 32 and 34, 37 and 39, and 42 and 44, respectively. Furthermore, independent claims 1, 7, 13 and 19 now include the limitation that the index of the one or more non-linear materials is less than the index of the alternating layers of either of the cladding structure or the core region.

Eggleton et al. '916 simply does not teach or suggest such a limitation recited in all the independent claims. Thus, all pending claims are now deemed to be allowable.

The application is now considered to be in condition for allowance, and an early indication of same is requested.

If the Examiner has any questions regarding matters pending in this application, please feel free to contact the undersigned below.

Respectfully submitted,



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